10-23

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE NO.

MARCH 1930

MONTHLY REPORT FOR

MARCH

1930

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

STEPHEN T. MATHER,
Director.

U. S. GOVERNMENT PRINTING OFFICE: 1927 6-7410

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK, WYO.

OFFICE OF THE SUPERINTENDENT

April 5, 1930

The Director,
National Park Service,
Washington, D. C.

Dear Mr. Director:

The following is my report of the activities of the National Park Service in Yellowstone National Park during the month of March, 1930:

000 - General

The month of March with its variety of weather brought with it some real spring days, and appearances at the end of the month indicated that the travel season was "just around the corner". During the month the first bears came out of hibernation, robins and blue birds were introduced to their new summer habitat, and in general the season appeared to advance from winter to spring.

In spite of some fine days, the only roads that were open to automobile travel were those between Gardiner and Mammoth and around headquarters. The mail to Cooke City was delivered by teams and sleds and in the interior of the park by the end of the month the roads were still heavy with snow. The road to Livingston was in good condition during the entire month and offered an opportunity for our local people to make the trip over the week ends.

100 - Administration

110 - Status of Work

The activities of Superintendent Toll, at his winter station at Denver, consisted of the following: Joined with Major Teicher, Secretary of the 13th U. S. Civil Service District, and Superintendent Rogers in giving oral examinations to men who passed the civil service examination for park ranger in Colorado; prepared and sent to Washington

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YELLOWSTONE NATIONAL PARK

YELLOWSTONE PARK, WYO.

report on the proposed Hocker Hammock National Park in Central Florida; addressed the Federal Business Association, Denver, on National Parks, using lantern slides of Yellowstone (March 19); and attended the convention of the Wyoming Division of the Izaak Walton League, in Casper, Wyoming on March 24 and 25, and spoke on National Parks.

Assistant Superintendent Daum was absent from the park from the 11th to 25th inclusive, and while he was gone Mr. Joffe was Acting Superintendent. Mr. Daum left again on the 30th of the month to be gone until April 3. His trips were made in connection with his new duties as general manager of a tourist resort at Moran, Wyoming. Mr. Daum's services as Assistant Superintendent terminated at the close of the month and his place has been filled by the appointment of Mr. Guy D. Edwards, Associate Engineer from the San Francisco office of the National Park Service.

Mr. Edwards reached the park on the 12th and, while enroute from San Francisco, visited Crater Lake National Park to observe the working of a snow plow in operation there. In Portland, Oregon, he attended meetings of the Western Forestry and Conservation Association which were held on the 3d, 4th and 5th. Mr. Edwards spent the period from the 12th to the end of the month in the Yellowstone acquainting himself with conditions and personnel and receiving instructions and advice from Mr. Daum.

All efforts were concentrated on bringing office work up to date and by the end of the month the work was current.

Miss Margaret Sabin reported on the 12th to fill the position vacated by the resignation of Miss Mary Waring. Mrs. Frances B. Yeager was temporarily employed the early part of the month to hold the position pending the arrival of Miss Sabin.

120 - Park Inspections by

127 - Other Agencies

Mr. William M. Rush, assigned to special investigation work in connection with the park elk, spent the month on laboratory, photographic and office work.

170 - Plans, Maps and Surveys

A small engineering crew was organized to secure data to enable us to prepare plans and estimates for our new construction work this coming season. It was necessary to place this crew on at this time in order that we might expedite the work when the appropriation was made

[illegible] on the problem [illegible] Thursday [illegible] [illegible] to [illegible] [illegible] advanced the [illegible] [illegible] [illegible], [illegible], [illegible] [illegible] [illegible], [illegible] [illegible] [illegible]

available. Data was secured upon the pipe line for the Mammoth water system, for formation road reconstruction, and a topographic map was made on the area around the North Entrance arch.

180 - Circulars, Bulletins, etc.

Nature Notes for March were mimeographed and over five hundred copies sent out to the park mailing list. A new electric mimeograph machine was ordered to facilitate the handling of the Nature Notes, publicity, etc. A copy of Nature Notes is attached hereto. No press releases were sent out during the month.

200 - Maintenance, Improvements and New Construction

210 - Maintenance of roads

No road maintenance was done during the month.

Shops: Work of overhauling trucks and equipment continued and by the end of the month the overhauling of the steam shovel was practically completed. The tractors and most of the trucks have also been overhauled leaving the light maintenance graders and power units for the coming month.

Electrical and Telephone Department: Work was carried on as usual in this department. The turbine which had been dismantled for repairs was placed in operation. Telephone maintenance work was very light during the month.

Sanitation Department: Work in this department consisted in garbage disposal for Mammoth and the usual maintenance repairs of sewer, water and heating systems.

Storehouse Operations: With the temporary appointment of a purchasing clerk the completion of the inventory records and the preparation for the purchase of supplies and equipment for the coming season were well under way by the end of the month.

220 - Improvements

The carpenter foreman and master painter practically completed the renovation of the first floor of the superintendent's residence and are well along on the second floor. This work consists of cleaning the walls and woodwork, sandpapering off much of the old paint and then papering, painting and otherwise making practically a new set of quarters.

[illegible] [illegible] [illegible] [

230 - New Construction

No construction work was in progress.

240 - Improvement of Approaches to the Park

The North Approach Road

The work upon the Gardiner bridge across the Yellowstone River is progressing very rapidly. The forms of the piers were up and the overhead cable was in place for placing the steel.

300 - Activities of Other Agencies in the Park

311 - Character of Services Rendered to the Public

Services to the public were limited to the general store in Mammoth which is operated primarily in the winter for the convenience of the local residents.

Mr. E. H. Moorman, General Manager of the Yellowstone Park Lodge and Camps Company, visited headquarters on the 24th to look over conditions in the Mammoth Automobile Campground in connection with the construction of additional housekeeping cabins there. He contemplates starting this work on April 1.

400 - Flora, Fauna and Natural Phenomena

410 - Ranger, Naturalist and Guide Service

The usual ranger activities were carried on during the month. They consisted in part of ski patrols to remote sections of the park, observations of all wild life, the taking of water gauge heights and snow depths, removal of snow from government buildings, feeding of game and horses, comparative monthly game counts, and minor repairs to telephone lines. Many of the rangers have started on their annual leave.

The Chief Ranger made a tour of inspection over the Northern district.

The pack and saddle horse equi ment has been gone over thoroughly and all equipment will be ready for the spring work. The horses have been brought in from Slough Creek and are now being fed at the Gardiner Ranch.

[illegible] - [illegible]

[illegible] construction work-shop in progress.

[illegible] - [illegible] of [illegible] in the [illegible]

[illegible] [illegible] [illegible]

[illegible] work done the [illegible] [illegible] [illegible]

420 - Museum Service

Work was carried on as usual in this department, consisting in part of working on the Yellowstone Information Manual, Nature Notes, Employee's Information Manual, etc. Considerable work was done on the museum accession book and work was begun on exhibits to be installed in the Norris Museum.

470 - Animals

Forage conditions are unfavorable for the game at the present time as all grass from the bare spots has been eaten off as closely as possible. The elk are drifting up to the snow line where the warm weather is gradually uncovering new grasses. The general condition of the game at this period of the year is never good but the condition is not alarming and we do not predict much of a loss. Many elk are seeking the high ridges in the Blacktail district.

Elk: The monthly elk count was held on the 25th, 26th, 27th and 28th, and a total of 8748 elk were counted. No count was made in the Gallatin district outside of the Park but during January 450 elk were counted in this district. With this count added it would bring the January, February and March counts comparatively on the same basis - that is approximately 9000. During April the last elk count of this year will be made and from the figures obtained at that time a fair decision can be rendered as to the number of elk in the Northern herd. Comparatively few losses have occurred during the month but many weak animals have been observed.

ELK COUNTS FOR MARCH

Cooke City to Soda Butte including Pebble Creek	916
Soda Butte to Upper Lamar including Cache and Miller Creeks	50
Soda Butte to Lamar Canyon including Buffalo Ranch & Amethyst Cr	235
Upper and Lower Slough Creek	277
Hellroaring slopes to Cottonwood Basin	2372
Lamar River Flats including Tower Falls & Geode Creek	1139
Geode Cr. to Mammoth including Lava and Blacktail Deer Creeks	1356
Norris	27
Mammoth to Swan Lake Flats	69
Gallatin	104
Gallatin, outside of Park - no count made.	
Game Preservation Ranch	526
Trail Creek to Crevice Mountain	433
Outside of park, east of Yellowstone River	522
Beehler River	20
Riverside to Old Faithful	221
Aldridge and Reese Creek	481
TOTAL	8748

[illegible]

[illegible]

[illegible]

Deer : The deer are scattered in many sections of the park. The largest count made was taken at the Game Preservation Ranch and vicinity where 147 are to be seen daily. These deer are not in good condition. Five deer were killed and examined by Mr. W. M. Rush and Dr. Nelson, Deputy State Veterinarian and the cause of many deaths among the deer was attributed to the botfly and lung worm. Sixty deer were counted along Blacktail Deer Creek. These were in fair condition. The Old Faithful district reports 40 deer in that vicinity. During the month of April a count will be made of the deer in the park. At the present time there is no satisfactory count.

Sheep: The 36 sheep at Tower Falls are all in splendid condition. They range from the Yellowstone bridge to Sentinel Butte. No losses have occurred during the winter. The small band along the Gardiner River numbering 31 are in fair condition. They are not as fat, however, as the ones at Tower Falls, and a few of the old rams are very thin. To date only one loss has been reported this winter. The sheep are to be found always frequenting the same localities.

Antelope: The antelopes are scattered from the slopes of Mt. Everts to the Game Preservation Ranch. Very few losses have been reported for the month. Two antelopes were found and classified as winter kills and one was killed by Mr. Rush which had a broken leg. The largest count taken during the month totaled 384. All animals were reported in good condition. At the Gardiner Ranch 25 head are to be seen daily feeding around with the horses.

Moose: Many moose have been seen during the month in the Southern District. On the Thorofare patrol many tracks of moose were seen but no large number were observed as reported in February. Two bull moose made their appearance at Cooke Station. These animals had shed their antlers on March 10. At this time of writing most all game have shed their antlers.

Buffalo - Lamar River Herd: Weather conditions for the buffaloes continued to be favorable throughout the month. Feeding took place in the upper meadows on the west side of the Lamar River. On March 21 the ice went out of the Lamar River thereby causing inconvenience for the ranch employees to reach the feed grounds with the sled. All the herd left the feeding grounds on the 24th and drifted up the Lamar. This was a very warm period of the month. The calves are in splendid condition as well as the adults. Only two old cows are noticeably in poor condition.

Buffalo - Cold Creek - Pelican Herd: Five buffaloes were seen on Pelican Flats, these animals having wintered in this district. A few animals were seen between Calfee and Miller Creeks on the Lamar River. All buffaloes seen were in splendid condition.

[illegible]

[illegible]

[illegible]

Bears: No grizzlies have been reported out of hibernation but the black bears made their appearance this month. The earliest arrival was at Mammoth on the night of the 13th. At Old Faithful they arrived on the 20th and at Lake on March 19.

Fish: At Heart Lake on March 20 one of the rangers went fishing through the ice and was amazed by catching a mackinaw trout 29 inches long. Such a fish this length will weigh approximately 25 lbs.

Predatory Animals: Thirteen coyotes were killed during the month.

Small Animals: Numerous signs of marten have been observed during the month. Beaver and mink are abundant. At Upper Soda Butte Creek an otter with two kits was seen leaving the park going into the Cooke City district. These otter came out of the Lamar River. Otter have been observed in many of the larger streams of the park and in Lake Yellowstone.

Water Fowl: One of the rangers reported two Canadian geese being killed when they flew into a cable a half mile above Chittenden bridge on the Yellowstone River. The cable is used by the U.S.G.S. for measuring water depths. The geese were rising from the water and facing the sun which probably prevented them from seeing the cable.

Approximately 400 ducks, 166 Canadian geese and 27 snow geese were seen on the Yellowstone River between Lake and Canyon.

Buffalo and other Ranch Operations:

The Lower Slough Creek Ranch is feeding 247 elk. A total of 185 tons of hay have been fed here this winter. Sixty tons were fed in March. April 4 will finish the feeding of hay to the elk on Slough Creek as they are leaving the feed grounds daily as spring advances.

The Game Preservation Ranch has fed a total of 35 tons of hay during March to antelopes and elk.

The Buffalo Ranch activities consisted of the usual care and maintenance of government horses and equipment. The feeding of 185 tons of hay to the buffaloes and horses was made this month which makes a total of 460 tons of hay to date. On an average of 667 buffaloes have been fed daily. One hundred and eighty three calves have been fed in the corrals. These animals are all in splendid condition.

A visit to Mary Mountain during the early part of the month discloses no unusual activity in that area. Less surface water is in evidence than in October of the previous year which follows closely the conditions found in all the hot spring areas.

The Imperial Geyser remains merely a large, quiet, overflowing hot pool. The overflow, so far as known, is constant.

Only slight changes can be noted at Norris basin, over the previous month, these in the form of higher temperatures at Congress Pool and a falling off in temperatures at various steam vents.

Tantalus Creek, draining Norris basin, shows some decrease in the volume of its discharge.

Mammoth Hot Springs: New Hyman Terrace has continued to increase in activity throughout the past month, although its neighbor, Old Hyman Terrace has remained about as usual.

One year ago this month New Diana Spring broke out above Devils Thumb. In the past twelve months it has increased from a small spring to one of the major sights on the Mammoth Formations. The colored area at the base measures approximately 100 feet contrasted to the little stream three feet wide of a year ago.

Mount Terrace seems to have decreased slightly in activity while Minerva has remained constant during March.

The increase in Cleopatra was short-lived, as the March observation showed activity on an average with the summer season of 1929.

A marked change was noted in Narrow Gauge Terrace. A lessening of activity all along the ridge was evident. No longer does the water shoot up in a constant flow. True to form, however, Narrow Gauge has raised havoc with the trail this spring. A new fissure seems to have broken out which connects with the old terrace and runs at an angle of 30 degrees to it. Great activity is present in this new fissure.

Orange Spring Mound has remained constant during the past month with no change apparent in its flow.

White Elephant Back Terrace has increased in activity to a slight degree. This activity seems to be centered around the south west end and is gradually working over the road.

A which is very remarkable during the early part of the month [illegible] no central activity in that area. Less [illegible] water is in evidence than in earlier of the previous year which follows closely the meteorlaw found in all the last months.

The [illegible] [illegible] a large [illegible] [illegible] [illegible] [illegible].

Only [illegible] [illegible] [illegible]

A slight increase was noted in Angel Terrace, as water is flowing from the southwest end at the present time.

New Highland Terrace appears to be holding a constant flow with no change during the past month.

A slight increase in Blue Springs and a marked increase in Jupiter were noted. Jupiter Terrace is working more and more to the southward, and this spring, as for the past few, it will be necessary to move the Terrace Trail further to the south.

510 - Increase or Decrease in Travel

All entrance and exit travel during the month was via the North Gateway. This travel consisted principally of visiting clergymen, salesmen, business and social callers at Park headquarters. Winter visitors are not registered upon entering or leaving the Park, but the travel as noted and recorded by the ranger in charge of the Gardiner gateway is as follows:

Cars 90 Visitors 260

The pre-season travel at the close of the month consisted of 4244 visitors traveling in 1490 cars, as compared with 3242 visitors traveling in 1002 cars last year, and 2287 visitors traveling in 955 cars in 1928.

520 - General Weather Conditions

521 - In the Park

The following report is submitted by the Weather Bureau showing conditions at Mammoth Hot Springs for the month of March:

"March averaged nearly two degrees below February in temperature. The mean maximum temperature of March - 36.1° - was 1.0 degree higher than February's, and the mean minimum, 15.6°, was 4.5 degrees lower. March opened cold. While the thermometer did not fall as low as zero in February, the first three days of March all produced below zero minima, the 2nd being the coldest day of the month, with a minimum of -13°. The daily mean temperature was above normal on the 4th, and thence, except on the 6th and 7th, to the 15th, the warmest day of the month. Then followed an irregular oscillation of temperature above and below normal, with a drop of the minimum to 1 below zero on the 27th. It was the coldest March since that of 1924, but it averaged less than one degree daily below normal, and set no new temperature records.

"Precipitation, which was almost all snow, amounted to 1.10 inch. This is over half an inch less than normal. Rain accounted for but .02 inch of the 1.10. There were traces of rain on two days in February, but the first considerable amount of rain fell on March 21, the date of the Vernal Equinox. The total depth of snowfall was 18.3 inches, but at the close of the month the average depth remaining on

a village Commissioner voted to adopt Dunvery, as trader by [illegible] [illegible] [illegible]

the ground could only be given as a trace, since the snow on the general level was in drifts and patches, with large areas quite bare. Precipitation in measurable amount occurred on 14 days of the month. There were 15 cloudy days, 13 partly cloudy, and 3 clear. Dense fog was recorded in the early morning of the 16th. Sunshine was 57 per cent of possible.

"A total wind movement of 5,612 miles was registered, giving an average velocity of 7.5 miles per hour. This is light for March, but not remarkable. Lighter winds for March are on record in five earlier years. The prevailing direction was Southwest. The relative humidity at 6 am averaged 76 per cent; at noon, 59 per cent; and at 6 pm, 61 per cent."

Snow depths throughout the park, with comparative figures for 1928 and 1929 are as follows:

	1928	1929	1930
Buffalo Ranch	20	15	13
Soda Butte Cabin	16	16	17
Cooke City Station	52	28	33
Tower Falls Station	13	14	12
Old Faithful Station	33	28	36
Lake Station	42	36	35
Thorofare Cabin	59	39	45
Hellroaring Station	4	10	2
Norris Station	27	30	37
Canyon Station	45	38	41
Riverside Station	48	30	26
Gallatin Station	31	21	40
Sylvan Pass Station	47	30	33
Snake River Station	70	57	38
Bechler River Station	62	54	43
Upper Slough Creek	38	24	16
Lower Slough Creek	30	20	10

900 - Miscellaneous

Post Office: On a winter basis, with nothing special to report.

Church Services: Religious services were held during the month as follows:

English Lutheran services Tuesday evening, March 4th by Rev. Webster H. Clement.

Episcopal services Sunday morning, March 23, by Rev. Lewis D. Smith.

The ground crew's duty is (1) as a [illegible], where the duty on the ground level was in [illegible] and [illegible], with [illegible] [illegible] [illegible]

Methodist services Wednesday evening, March 26, by Rev. Otto G. Ronath.

Evangelists A. Stewart, A. Lymas, and O. Davidson, held services morning of March 2 and March 16; and on the evenings of March 6, 11, 13, 18, 20, 25, 27 and 30.

All religious services during March were held in the Lodge Room.

Hospital and Medical Services: Dr. Ehlers, the resident physician reports 130 office calls and 34 visits during the month.

A dance for the members of the Mammoth and Gardiner communities was held in the canteen on the night of the 8th. It was well attended.

On the night of the 24th the members of the Yellowstone community enjoyed hearing the voice of Director Albright, who spoke over the National Broadcasting Company's network on the Great Northern program. The reception was very clear and distinct.

On March 8 word was received to fly the flag at half mast due to the death of former president and chief justice William Howard Taft.

Very truly yours,

Joseph Joffe

mj

Acting Superintendent

10-159

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the Month of MARCH 1930

	This Month	This Month Last Year
Number of employees beginning of month,	75	72
Number of additions, ...	2	4
Total, ...	77	76
Number of separations, ...	1	0
Number of employees close of month, . .	76	76
Number of promotions during month	0	0
Aggregate amount of annual leave taken.	76	91
Aggregate amount of sick leave taken,	23	30
Aggregate amount of leave without pay,	-	-
" " " military leave	9	

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Yellowstone National Park for the month of		Same Year
	This Month	This Month Last Year
Number of employees beginning of month,	[illegible]	[illegible]
Number of additions, ...	[illegible]	[illegible]
Total, ...	[illegible]	[illegible]
Number of separations, ...	[illegible]	[illegible]
Number of employees close of month, . .	[illegible]	[illegible]
Number of promotions during month	[illegible]	[illegible]
Aggregate amount of annual leave taken,	[illegible]	[illegible]
Aggregate amount of sick leave taken,	[illegible]	[illegible]
Aggregate amount of leave without pay,	[illegible]	[illegible]

10-157

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Yellowstone National Park for the Month of MARCH 1930

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
PRIVATE TRANSPORTATION:						
Cars first entry	90	1366	86	1116	250	22
Cars reentry	0	124	0	36	88	244
Motorcycles	0	0	0	3	-3	-100
Total motor vehicles	90	1490	86	1155	335	29
Persons entering via motor vehicles	260	4244	253	3242	1002	31
Persons entering via other private transportation	0	0	0	0		
Total persons entering via private transportation	260	4244	253	3242	1002	31
OTHER TRANSPORTATION:						
Persons entering via stages						
Persons entering via trains						
Persons entering otherwise						
Total other transportation						
GRAND TOTAL ALL VISITORS	260	4244	253	3242	1002	31

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month				
Campers in public camps during month				

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Activity Code for the Month of _____ Month Year

Yellowstone

	This Month Travel Year To Date	This Month Last Year To Date	Last Month Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
Total Visitors					
Total Motor Vehicles					
Buses entering via motor vehicles					
Buses entering via other transportation					
Total motor vehicles via public transportation					
Foot Transportation					
Buses entering via trains					
Buses entering via boats					
Buses entering airports					
Total other transportation					
Grand Total All Visitors					

This Month Year	Last Year	Increase Number	Increase Percent

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Yellowstone National Park for the Month of March 1930

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date Completion

No change in projects during the month.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Yellowstone National Park for the month of _____ 19__

Description of Project	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date Completion

No change in previous data this month.

10-160

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Yellowstone National Park for the Month of MARCH 1930

	This Year	Last Year
Park revenue on hand beginning of month, ...	none	
Received, ...	$700.47	
Total, ...	700.47	
Remitted, ...	700.47	
On hand close of month, ...	none	

Park revenues received this year to date, ...	$290,415.67
Park revenues received last year to date, ...	270,616.73
Increase, ...	19,798.94
Percent of increase, ...	7%

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

National Park for the Month of .....

	This Year	Last Year
Park revenue on hand beginning of month, ...		
Received, ...		
Total, ...		
Remitted, ...		
On hand close of month, ...		
Park revenue received this year to date, ...		
Park revenue received last year to date, ...		
Increase, ...		
Percent of increase, ...		

10-163

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

Yellowstone National Park for the Month of March, 1930

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
Current generated, ...	59980.0	598400.0	55760.0	608890.0	-10490.0	2
Sold to park operators, . . .	468.0	64977.9	281.4	94206.6	-29228.7	31
Sold to others, ...						
Furnished to other Governmental agencies, ...						
Used by National Park Service, lost in transit, etc., . . .	59512.0	533422.1	55478.6	514683.4	-18758.7	4
Total current generated, . .	59980.0	598400.0	55760.0	608890.0	-10490.0	2

Amount receivable from the sale of electricity, ... $ 23.40

* Indicated by K. W. H.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

Yellowstone National Park for the Month of March, 1938

	This Month	This Travel Year To Date	This Month Last Travel Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
rrent generated, ...	2996.0	9996.0	2996.0	9996.0	-1000.0	4
ld to park operators, . . .	1[illegible]	4[illegible]	1[illegible]	4[illegible]	-[illegible]	5[illegible]
ld to others, ...						
rnished to other Governmental agencies, ...						
ed by National Park Service, Lost in transit, etc., . . .						
Total current generated, . .	2996.0	9996.0	2996.0	9996.0	-1000.0	4

---

ount receivable from the sale of electricity, ... $ [illegible]

Indicated by K. W. H.

0-162

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

Yellowstone National Park for the Month of MARCH 1930

	This Month	This Month Last Year	Increase	Percent Increase
LOCAL BUSINESS				
Miles of circuit maintained	528	498	30	6
No. of telephones connected	162	155	7	5
No. of measured service calls				
No. of other local calls				
Total No. of local calls	1458	1917	-459	24
Peak load in calls per day	85	105	- 20	19
Receipts from measured service calls				
Receipts from coin boxes				
Receipts from telephone rental				
TOTAL RECEIPTS				
LONG DISTANCE BUSINESS				
No. Outbound calls	57	46	11	24
No. Inbound calls	73	65	8	12
TOTAL LONG DISTANCE CALLS				
Peak load in calls per day	12	10	2	20
Receipts from Long Distance business	$50.25			
TELEGRAPH BUSINESS				
Messages via Western Union				
Messages via				
TOTAL MESSAGES				
Receipts from telegraph business				
No. of money transfer messages				
No. of money transfer receipts				
TOTAL RECEIPTS TELEPHONE & TELEGRAPH DEPT-				

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH OPERATIONS

National Park for the Month of [illegible] 1938

Telephones	This Month	This Month Last Year	Increase	Decrease
BUSINESS				
Number of circuits maintained	[illegible]	[illegible]	[illegible]	[illegible]
Number of telephones connected	[illegible]	[illegible]	[illegible]	[illegible]
Number of measured service calls				
Number of other local calls				
Total No. of local calls	[illegible]	[illegible]	[illegible]	[illegible]
Average load in calls per day	[illegible]	[illegible]	[illegible]	[illegible]
Receipts from measured service calls				
Receipts from coin boxes				
Receipts from telephone rental				
TOTAL RECEIPTS				
DISTANCE BUSINESS				
Outbound calls	[illegible]	[illegible]	[illegible]	[illegible]
Inbound calls	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL LONG DISTANCE CALLS				
Average load in calls per day	[illegible]	[illegible]	[illegible]	[illegible]
Receipts from long distance business	[illegible]			
TRAFFIC DURING				
Messages via Western Union				
Messages sent				
TOTAL MESSAGES				
Number of long distance messages				
Number of telegraphic messages				
Number of calls transfer receipts				

Report of TELEPHONE & TELEGRAPH DEPT-

(COPY)

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYOMING.

March 25, 1930.

OFFICE ORDER NO. 2

From April first until further notice all rangers will prepare their monthly report in narrative form, using ordinary letter-size paper or the pressat monthly report blank. All reports will be written and mailed so as to reach this office by the first of the month following the month for which they were written in order that we may have the information contained therein for the general monthly report.

The narrative report should follow this general outline, until such time as a new form can be worked out.

A full report on all game seen during the month; location and condition of same. Also, a report on their drift, if any, during the month. The same for waterfowl and other game birds. Fishing conditions should also be reported and movements of fish in the different water, if any, are noticed.

A general report on all patrols and other work for the month. The report should also contain some general remarks on weather conditions for month, snow depths, date of storms, extreme temperatures, etcetera. All unnatural incidents or conditions should also be reported.

Travel of any kind through your district should be reported. However, during the park season a detailed travel report is not expected, though some general remarks on the travel through your district should be contained in your report. During the summer your monthly report should contain a general summary of all accidents, bear bites, and other special incidents which have happened in your district.

While it is not necessary to report forest conditions each month unless some unnatural changes have taken place, your report should contain some general remarks on forest conditions at least every other month, and during the fire season your monthly report should have a complete record of all forest fires, timber operations, tree diseases or insects which have been discovered, treatment of insect infestations, or any other forest work which has been in progress in your district during the month.

During those months when the trails of your district are being used, your reports for these months should contain statements of the number of people who have used the trails, condition of the trails, and any construction or maintenance work which you have accomplished.

(COPY)

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYOMING.

March 22, 1920.

CIRCULAR ORDER NO. 2

From April first until further notice all rangers will prepare their monthly report in narrative form, using ordinary letter-size paper or the present monthly report blank. All reports will be written and mailed so as to reach this office by the first of the month following the month for which they are written in order that we may have the information contained therein for the general monthly report.

The narrative report should follow this general outline, until such time as a new form can be worked out.

A full report on all game seen during the month; location and condition of same. Also, a report on their drift, if any, during the month. The same for antelope and other game birds. Fishing conditions should also be reported and movements of fish in the different water, if any, are noticed.

A general report on all patrols and other work for the month. The report should also contain some general remarks on weather conditions for month, snow depths, date of storms, extreme temperatures, etcetera. All unusual incidents or conditions should also be reported.

Travel of any kind through your district should be reported. However, during the park season a detailed travel report is not expected, though some general remarks on the travel through your district should be contained in your report. During the summer your monthly report should contain a general summary of all accidents, bear bites, and other special incidents which have happened in your district.

While it is not necessary to report forest conditions each month unless some unusual change has taken place, your report should contain some general remarks on forest conditions at least every other month, and during the fire season your monthly report should have a complete record of all forest fires, timber operations, tree diseases or insects which have been discovered, treatment of insect infestations, or any other forest work which has been in progress in your district during the month.

During those months when the trails of your district are being used, your reports for those months should contain a statement of the number of people who have used the trails, condition of the trails, and any construction or maintenance work which you have accomplished.

We are requiring this type of a report as a result of a conference of all Assistant Chiefs on February first, when after considerable discussion, it was decided that only a narrative monthly report would give us the required information. All of your reports should be as complete as possible and written in a clear, comprehensive manner. It will be necessary for all rangers to keep a diary record of their activities from day to day, in order to write a comprehensive monthly report. Rangers who are not now supplied with diaries please request a diary in your next monthly report or phone the Chief Rangers Office and one will be mailed to you immediately.

The requested written monthly report form will replace the former monthly report which was written on form No. 10-36 and that form will no longer be used unless you are notified to that effect.

PLEASE ACKNOWLEDGE RECEIPT OF THIS OFFICE ORDER.

Sgd. George F. Baggley
Chief Ranger.

We are requiring this type of a report as a result of a conference of all Assistant Chiefs of Bureaus. Since, when after consideration, it was decided that only a monthly report would give us the required information. All of your reports should be complete as possible and written in a clear, comprehensive manner. It will be necessary for all rangers to keep a diary record of their activities from day to day, in order to make a comprehensive monthly report. Rangers who are not now supplied with diaries please request a diary in your next monthly report or phone the Chief Ranger's office and one will be mailed to you immediately.

The reported written monthly report form will replace the former monthly report which was written on Form No. 10-33 and then form will no longer be used unless you are notified to that effect.

PLEASE ACKNOWLEDGE RECEIPT OF THIS OFFICE ORDER.

Yours,
Geo. Jorge A. Bagley
Chief Ranger.

(COPY)

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYOMING

Office of the Chief Ranger March 20, 1930.

MEMORANDUM FOR: Assistant Chief Ranger Harry Trischmen (XII)
Assistant Chief Ranger Joseph Douglas (XI)
Park Ranger George Miller (II)
Park Ranger Fred Johnston (III)
Park Ranger Albert Bicknell (IV)
Park Ranger Rudolph L. Grimm (V)
Park Ranger Guy E. McCarty (VI)
Park Ranger Albert E. Elliott (VII)
Park Ranger Gerald P. Yetter (VIII)
Park Ranger Clifford Anderson (IX)
Park Ranger Francis D. LaNoue (X)
Park Ranger Gordon D. Harp (XIII)
Park Ranger Frank W. Childs (XIV)

Ten lessons in Forest Entomology are being sent you herewith. These lessons are bound in book form, with accompanying photographs.

Each book is numbered and your name and number will be kept on file in this office. You are personally responsible for the book so do not give it to another station. You should take it with you should you be transferred to another station and you should allow other rangers to study if if they have no copy.

You are requested to carefully study the lessons and familiarize yourseld with the contents.

George F. Baggley

Chief Ranger.

THE LIBRARY OF THE LEGION
OF THE LAND OF THE
TELEVISION MILITARY FOR
MILITARY PAR, VIRGINIA

Office of the Chief Ranger Green 10, 1950.

MEMORANDUM TO: Assistant Chief Ranger Harry Philadelphia (XII)
Assistant Chief Ranger Joseph Douglas (XI)
Park Ranger George Miller (II)
Park Ranger Fred Johnston (III)
Park Ranger Albert Hickwell (IV)
Park Ranger Rudolph L. Grimes (V)
Park Ranger Gary L. Bishop (VI)
Park Ranger Albert S. Elliott (VII)
Park Ranger Gerald J. Potter (VIII)
Park Ranger Clifford Jackson (IX)
Park Ranger Kenneth O. Johnson (X)
Park Ranger Lyman D. Harp (XIII)
Park Ranger Frank S. Childs (XIV)

The Lessons in Forest Conservancy are being sent you herewith. These lessons are bound in book form, with accompanying photographs.

This book is numbered and your name and number will be kept on file in this office. You are personally responsible for the book so to not give it to another station. You should take it with you should you be transferred to another station and you should allow other rangers to study it if they have no copy.

You are requested to carefully study the lessons and familiarize yourself with the contents.

Lewis M. Dougley

Chief Ranger.

(COPY)
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYOMING.

March 25, 1930.

OFFICE ORDER NO. 1

There has been some differences of opinion as to what a ranger's outfit consists of.

The following list of personal property is considered a complete outfit for park rangers in Yellowstone National Park.

1 Saddle horse
1 Saddle, bridle, saddle blanket, and rope
1 Saddle ax and scabbard
1 pair field glasses
1 bed roll
1 fishing outfit
1 Kodak
1 high-powered rifle and scabbard
1 or more complete uniforms

Those rangers who have completed the one year probationary period are required to equip themselves with an outfit as outlined above before June 1, 1930.

The ranger's outfit is necessary to the proper performance of his duties, therefore, please comply with this order as specified.

Sgd. George F. Baggley
Chief Ranger.

P.S. The Public Health Service has provided a supply of vaccine to be used as a preventative of spotted fever. Dr. Ehlers now has a supply of this vaccine and will administer it to all rangers who desire the vaccination. There is no charge for the Doctor's services and none for the vaccine. No one is obligated to take the vaccine but the Doctor has a sufficient supply for all those who care, for it. If you would like to have this vaccination, please arrange with the Chief Ranger for a date with the Doctor.

G.F.B.

PLEASE ACKNOWLEDGE RECEIPT OF THIS ORDER.

DIETER